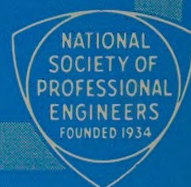
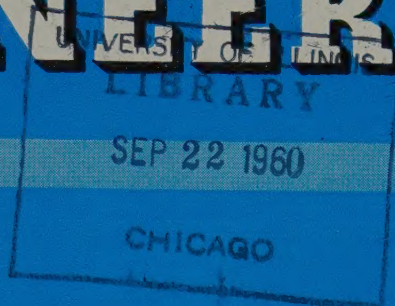


# *the* **ILLINOIS ENGINEER**



1960

Illinois Society of Professional Engineers

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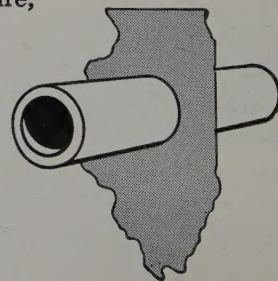
Milwaukee chose concrete pipe be-

cause it meets the requirements of uniformity of strength—strength to carry all the loads—durability, availability and low initial cost.

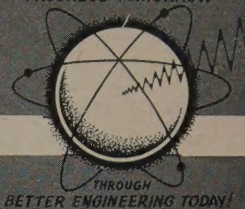
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## REGISTRATION—A STEP TO GOOD MANAGEMENT

By LEVERNE D. HUDSON, *President, I.S.P.E.*

This Society is proud to present the 1960 Directory issue of the Illinois Engineer. . . . It is a roster of men (and a few women) who have qualified for membership in the Illinois Society of Professional Engineers by virtue of their interest in registration. State registra-



tion of engineers is fundamental to ISPE's identity and to its operation. This Society consequently is the only organization for all engineers having the legally recognized qualification of registration as a basis of full membership. This roster of members is, therefore, quite meaningful. Examination of the separate listings will also show the extent to which the members are participating in the "Founder So-

cieties" in the technical associations and in the offices of ISPE.

### Transition To Registration.

The values of engineering registration have compounded since enactment of the Illinois Professional Engineering Act in 1945. Registration has been recognized throughout the United States. As a result of this, individual engineers have seen the wisdom of becoming registered in their own state so that they could enjoy the privilege of reciprocal recognition in other areas. Registration has taken on the significance of a legal "diploma," indicating a degree of achievement within the engineering field,—showing a man's right to practice in public. The legality of documents involving professional engineering acts is obviously sounder if the engineering has been under the direction of a properly registered individual. It can be readily understood why the practicing engineers in organizations large and small are seeking the distinction of engineering registration. To the young engineer, registration as an "Engineer-In-Training" is a mark

of an adequate technical background for a promising career. This is a sign to others in his field, indicating approaching technical maturity. ISPE insists that its young members reflect such competence. Registration as an "E-I-T" or graduation from a recognized engineering school has therefore been established as a membership requirement for them.

### Maturity Reflected.

A quick perusal of any organization shows that no person becomes a manager, leader, or section head unless he outwardly reaches for skills. Management soon notes evidence of technical competency and it searches for indications of self-confidence and stature development. Professional Engineering Registration is one of the basic indicators of such development and maturity. This is so important that many groups are requiring registration as one of the qualifications for advanced grades of engineers. As would also be expected, engineers in private practice are encouraging their personnel to qualify as rapidly as possible. A firm having a high percentage of its staff registered is a firm having demonstrated a high level of ability. It is to be expected that the morale of the engineers of such a group is high.

Each engineer with an aim to management provides the manner and means of making his competency known. This is required because each agency, firm, or organization advances its personnel only when this advancement will strengthen its operations materially. Identification of the engineer with registration consequently assists management to determine the value of the individual. In fact, ISPE recognizes this mark of progress of the new Registered Professional Engineer

(Continued on Page 2)

### MEMBERSHIP LISTING

Membership information is listed in the following order: name, grade of membership and year elected; wife's name; business title, business association, business address, business phone, residence address, residence phone, colleges and universities attended, degree and year obtained; society, organizations and club membership; chapter affiliation and elective office and year held. All state addresses are Illinois unless otherwise noted.

Information from a questionnaire mailed to all members earlier this year was used if such questionnaire was returned; otherwise, information from membership applications or from the 1959 Membership Directory was used.

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The Illinois Society of Professional Engineers is not responsible for statements made or opinions expressed in this publication.

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## I.S.P.E. WELCOMES NEW EXECUTIVE DIRECTOR

The Illinois Society of Professional Engineers has a new Executive Director. Robert J. Newbury of St. Paul, Minnesota, has been named by the Executive Committee to this important position in the Society.

Bob will assume his office in September, coming to Springfield from the Minnesota Society of Professional Engineers where he has held the position of executive secretary for the past four years. His work with ISPE in management of state headquarters and coordination of activities of local chapters and committees of the Society is, therefore, in a field where he has already demonstrated great ability and capacity.

Prior to his assignment with the Minnesota Society, Newbury taught high school in the State of Washington, worked two years in the personnel department of the University of Minnesota, and for three years with the International Harvester Company in St. Paul. He holds a Bachelor of Science degree from the University of Minnesota in speech and public relations and will soon receive his M. A. degree.

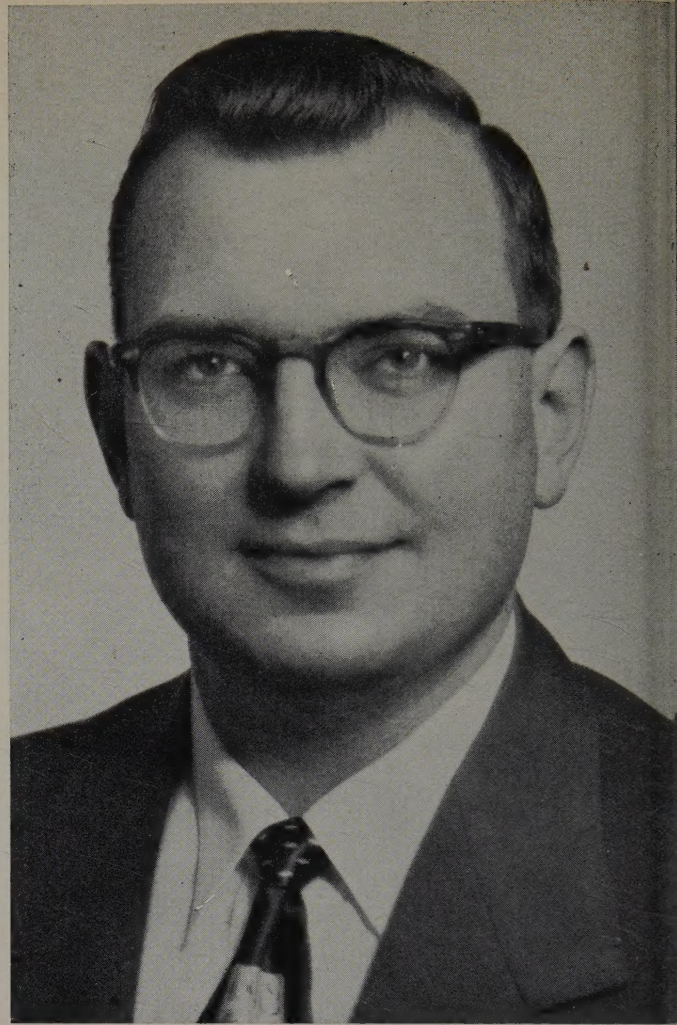
He has also served two terms as president of the Minnesota Band Alumni Association and, for the last seven years as announcer and script writer for the half-time shows of the University of Minnesota's football marching band. He is vice chairman of the Minneapolis Aquatennial Association. During World War II he served as an instructor at Yeoman School, San Diego, Calif.

Newbury is the son of Mr. and Mrs. R. E. Newbury, of Grand Island, Nebraska. Mr. R. E. Newbury is the district credit manager of the International Harvester Company there.

In selecting Bob to carry out ISPE's directorship, many candidates were considered and several of these were carefully screened for the specific experience and general suitability for this key position. The final selection was made both enthusiastically and confidently by the Executive Committee of ISPE, for he brings a wealth of experience and ability to discharge his duties and responsibilities.

Newbury, 33, is married and has two infant sons.

ISPE officers are proud to present to the Society a man so well qualified and enthusiastic for the challenge given him.



Robert J. Newbury

(Continued from Page 1)

and of the new Registered Engineer-In-Training. Society membership is extended to them for the balance of the examination year without charge so that they can prove their professional interests with others of like stature. This advance is essentially an individual accomplishment.

### Management Encouraging Registration.

Whether an organization requires only a few engineers or whether it requires hundreds, it is faced with the need for recognizing the growth and development of its men. More than ever before, management sees the value in encouraging the professional thinking of its engineers, employing them to exercise independent judgment and encouraging participation in handling personnel problems, using the professional approach rather than that of the union. Professional development is a hard earned achievement—it cannot be purchased on the market “by the pound.” It is a product requiring open professional participation and, like its primary component, “Registration,” it must be earned. This is what makes a true profession so meaningful.

---

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## I.S.P.E. OFFERS REVISED EXAM BOOK

Early in September a new P. E. exam book will be at the press, for use in refresher courses and individual review preparatory to examination for Engineer-Training or Professional Engineer certification.

The 5th Edition of the publication has been compiled through the cooperation of the Department of Registration and Education and the Professional Engineers' Examining Committee, and will completely update the brochure.

Editing has been through the efforts and under the supervision of C. Dale Greffe, P.E., Associate Professor of Mechanical Engineering, University of Illinois, and a Vice President of ISPE.

Remaining 1960 examinations for Professional Engineer, Structural Engineer, and Land Surveyor registration, scheduled by the Illinois Department of Registration and Education, are as follows:

	Final Filing Date	Examination Date
Professional Engineers...	Sept. 19	Nov. 17, 18
(EIT only).....	Oct. 17	Nov. 17
Structural Engineers....	Sept. 9	Nov. 9, 10
Land Surveyor.....	Oct. 10	Oct. 26, 27, 28

Following are locations and starting dates of 11-week refresher courses which have been scheduled for assisting applicants for the above examinations:

### Des Plaines—August 29

Maine Township H. S. Room R-201C  
1755 S. Wolf Road  
Corner of Algonquin and Wolf  
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### LaGrange—August 29

Lyons Township Jr. Coll., Room 180  
100 South Brainard  
Vaughn Bldg., North Campus

### Elmhurst—August 29

York Township H. S., Room 201C  
355 W. St. Charles Road

### Springfield—September 12

Springfield H. S., Room 108

### Chicago—August 30

Navy Pier, Room 17

### Blue Island—August 30

Blue Island H. S., Room 412  
12700 South Sacramento

### Freeport—September 7

Freeport Junior High School

### Urbana—August 31

305 Civil Engineering Hall

### E. St. Louis—September 1

Senior H. S., Room 103  
4901 State Street

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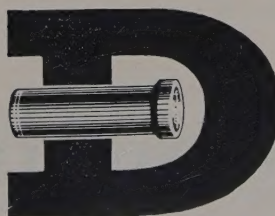
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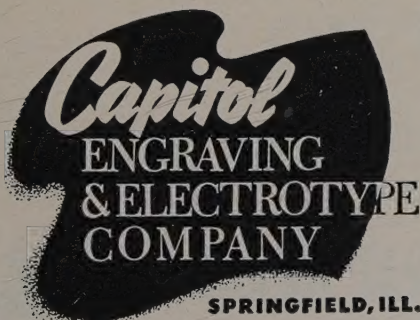
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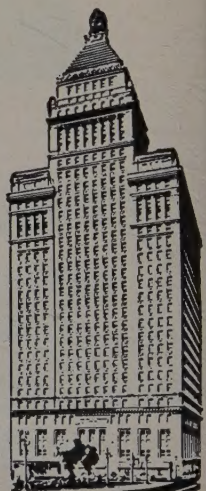
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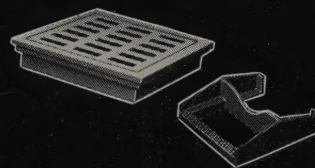
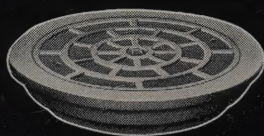
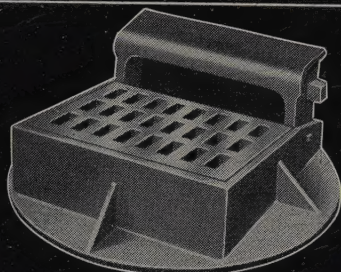
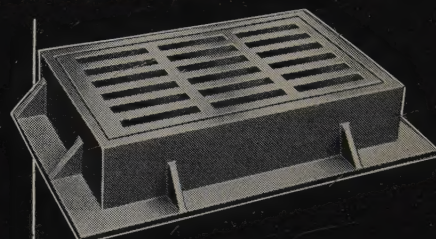
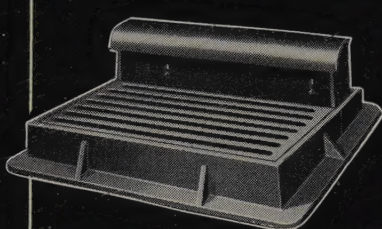
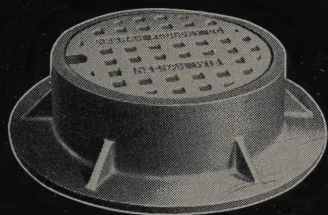




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# LIST OF ABBREVIATIONS

AAAS	American Association for the Advancement of Science	BCS	British Ceramics Society
AAE	American Association of Engineers	BOCA	Building Officials Conference of America
AAI	Architects Association of Illinois	BRI	Building Research Institute
AAPG	American Association of Petroleum Geologists		
AAPT	Association of Asphalt Paving Technologists	CBA	Chicago Bar Association
AAR	Association of American Railroads	CCS	Canadian Ceramics Society
AARS	American Association of Railroad Superintendents	CEC	Chicago Engineers Club
AAS	American Astronautical Society	CSI	Construction Specifications Institute
AAcadSE	American Academy of Sanitary Engineers	CSSIWA	Central States Sewage & Industrial Wastes Association
AASE	Association for Applied Solar Energy		
AAUP	American Association of University Professors	DAVI	Department of Audio-Visual Instruction
ABA	American Bar Association		
ACI	American Concrete Institute	FSIWA	Federation of Sewage & Industrial Wastes Association
ACS	American Ceramics Society	GSA	Geological Society of America
ACHS	American Chemical Society		
ACSM	American Congress on Surveying & Mapping	HRB	Highway Research Board
AGA	American Gas Association		
AGC	Association of General Contractors		
AGU	American Geophysical Union	IABSE	International Association of Bridge and Structural Engineers
ALA	American Institute of Architects	IACE	Illinois Association of Consulting Engineers
AIC	American Institute of Chemists	IACSH	Illinois Association of County Superintendents of Highways
AICerE	American Institute of Ceramic Engineers	IAHE	Illinois Association of Highway Engineers
AICE	American Institute of Consulting Engineers	IAeroS	Institute of the Aeronautical Sciences
AICHe	American Institute of Chemical Engineers	IAS	Illinois Archaeology Society
AIEE	American Institute of Electrical Engineers	IASDA	Illinois Association of Sanitary Districts & Authorities
AiIE	American Institute of Industrial Engineers	ICC	Illinois Chamber of Commerce
AIM	American Institute of Management	ICE	Institute of Ceramic Engineers
AIMMPE	American Institute of Mining, Metallurgical and Petroleum Engineers	ICMA	International City Managers Association
AIPE	American Institute of Paint Engineers	IES	Illuminating Engineers Society
AISE	Association of Iron and Steel Engineers	IMCA	Illinois Mosquito Control Association
AMA	American Management Association	IMI	Illinois Mining Institute
AME	Association of Management Engineers	IMS	Institute of Management Sciences
AMS	American Mathematical Society	IPHA	Illinois Public Health Association
ANS	American Nuclear Society	IRE	Institute of Radio Engineers
AOA	American Ordnance Association	ISA	Instrument Society of America
AOM	Association of Operating Millers	ISAS	Illinois State Academy of Science
APHA	American Public Health Association	ISBA	Illinois State Bar Association
API	American Petroleum Institute	ISEA	Illinois State Employees Association
APPA	American Paper and Pulp Association	ISGE	Illinois Society of General Engineers
APS	American Physicist Society	ITE	Institute of Traffic Engineers
APWA	American Public Works Association		
ARBA	American Road Builders Association	NACE	National Association of County Engineers
AREA	American Railway Engineering Association	NACorrE	National Association of Corrosion Engineers
ARS	American Rocket Society, Inc.	NAS	National Association of Sanitarians
ASA	Acoustical Society of America	NAVA	National Audio-Visual Association
ASAE	American Society of Agricultural Engineers	NBER	National Bureau of Engineering Registration
ASBE	American Society of Body Engineers	NCPIE	National Council of Professional Industrial Engineers
ASCE	American Society of Civil Engineers	NFPA	National Fire Protection Association
ASSE	American Society for Engineering Education	NMA	National Management Association
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers		
ASHVE	American Society of High Voltage Equipment	ORSA	Operations Research Society of America
ASI	American Specifications Institute		
ASLA	American Society of Landscape Architects	PSA	Photographic Society of America
ASM	American Society for Metals		
ASME	American Society of Mechanical Engineers	SAE	Society of Automotive Engineers
ASNE	American Society of Naval Engineers	SAM	Society for the Advancement of Management
ASP	American Society of Photogrammetry	SAME	Society of American Military Engineers
ASPA	American Society of Personnel Administrators	SEC	Springfield Engineering Society
ASPubA	American Society of Public Administration	SFPE	Society of Fire Prevention Engineers
ASQC	American Society for Quality Control	SPEE	Society for Promotion of Engineering Education
ASSE	American Society of Sanitary Engineers		
ASTE	American Society of Tool Engineers	TAPFI	Technical Association Paper and Pulp Industry
ASTM	American Society for Testing Materials	TPA	Telephone Pioneers of America
ATA	American Transit Association		
AWPA	American Wood Preservers Association	WSE	Western Society of Engineers
AWWA	American Water Works Association	WSME	Western Society of Military Engineers
AWS	American Welding Society		

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## ILLINOIS AWARD RECIPIENTS

1931 - W. W. Mathews	1938 - J. R. Longley	1945 - Alex Van Praag, Jr.	1952 - George E. Ekblaw
1932 - W. B. Walraven	1939 - S. M. Wood	1946 - V. E. Gunlock	1953 - none
1933 - M. B. Reynolds and A. E. Green	1940 - none	1947 - Col. W. E. Trover	1954 - Wm. L. Everitt
1934 - A. C. Stanfield	1941 - H. E. Babbitt	1948 - A. M. Kaindl	1955 - F. W. Edwards
1935 - none	1942 - F. L. Osborn	1949 - Leo M. Spurling	1956 - A. D. Spicer
1936 - S. M. Wood	1943 - A. P. Greensfelder	1950 - H. E. Babbitt	1957 - C. K. Willett
1937 - L. C. Whittemore & N. E. Anderson	1944 - S. M. Wood	1951 - C. W. Klassen	1958 - Thomas C. Shedd
			1959 - D. S. Magowan



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ZOGRAFOS, NICK JAMES (N '59); Wife, Lorraine; Consulting Engr., Peco & Associates, 3559 W. Irving Park Road, Chicago; Phone JU 8-77; Res. 7409 W. 61st St., Argo; Phone GL 8-6080; U. of Ill. BSCE '54; Member ASCE, SAME; Ill. PE 20732; Chicago Chapter.

ZOTOS, BASIL THOMAS (EIT '59); Elect. Engr., Stewart-Warner Electronics, 1300 N. Kostner, Chicago 51; Phone AL 2-1000, Ext. 203; Res. 240 Traver, Glen Ellyn; Phone 1171-J; U. of Ill. BSEE '59; Member VFW, Eta Kappa Nu; Ill. EIT 3579; DuKane Chapter.

ZUCKER, PAUL R. (N '59); Chief Mech. Engr., Construction Aggregates Corp., 33 N. LaSalle St., Chicago 6; Phone DE 2-3210; Res. 1255 Rosedale Ave., Chicago 40; Phone RA 8-1503; IIT BSME '48; Member ASME; Ill. PE 20733; Chicago Chapter.

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ZUMMER, ANTHONY S. (N '56) Mechanical Engr.; Wife, Elizabeth; Patent Attorney-Patent Law, 134 So. LaSalle St., Chicago 3; Phone FI 6-7304; Res., 1918 W. Lunt Ave., Chicago 26; Phone HO 5-1883; Purdue Univ., George Washington University Law School, The John Marshall Law School; BSME '50, LL.B. '56, Master of Patent Law, '59; Member, ASME, Chicago Engineers Club, Patent Law Assoc. of Chicago, American Bar Assoc., Ill. State Bar Assoc., Chicago Bar Assoc., BPOE, Kiwanis, Phi Alpha Delta, Purdue Club of Chicago, Patent Office Society, American Legion; Ill. PE 19422, District of Columbia, 3467; Chapter Rep. '57 & '60; Chicago Chapter.

ZUMWALT, DEAN E. (N '56); Wife, Alice P.; Partner, Associated Engineers (Cons. Engrs.), 230 First Natl. Bank Bldg., Peoria; Phone 3-7431; Res. 2200 N. Flora Ave., Peoria; Phone 5-8171; U. of Ill. BSCE '43; Member ACI; Ill. PE 18361, SE 2103, LS 1433; Peoriarea Chapter.

ZUMWALT, PAUL L. (N '53); Wife, Lila Anna; Staff Engr., Caterpillar Tractor Co., Peoria; Phone 6-3311, Ext. 7691; Res. 2305 N. Elmwood, Peoria; Phone 2-1268; U. of Ill. BSCE '38; Member ACI, ASCE; Ill. PE 11314, LS 1384; Peoriarea Chapter; Chapt. Vice Pres. Pres. '57.

ZURBRIGEN, JAMES ALLEN (N '60) Civil Engr.; Caisson Corporation, 6200 Gross Pt. Rd. Niles; Phone SP 4-0166; Res., 722 Brown Ave., Evanston; Phone UN 4-0334; Mass. Inst. of Tech., '53, SB; Ill. PE 62-20234; North Shore Chapter.



# Constitution and By-Laws

## Engineers' Creed

*As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare.*

*I pledge:*

*To give the utmost of performance;*

*To participate in none but honest enterprise;*

*To live and work according to the laws of man and the highest standards of professional conduct;*

*To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations.*

*On humility and with need for Divine Guidance, I make this pledge.*

*Adopted by  
National Society of Professional Engineers  
June, 1954*

## CONSTITUTION

### ARTICLE I—NAME

Section 1. The name of this organization shall be "The Illinois Society of Professional Engineers," hereinafter called the Society.

Section 2. The Society shall be incorporated as a non-profit organization under the laws of the State of Illinois.

Section 3. The Society shall be a member State Society of the National Society of Professional Engineers, hereinafter called the National Society.

### ARTICLE II—OBJECTIVES

Section 1. The objectives of this Society shall be:

- Advancement of the public welfare.
- Advancement of the professional, social and economic welfare of the Professional Engineer and the Engineer-in-Training.
- Promotion of high standards of engineering education.
- Maintenance of high ethical engineering conduct and practices.

### ARTICLE III—MEMBERSHIP

Section 1. Membership of the Society shall consist of Corporate and Non-Corporate Members.

- Corporate members shall consist of National, State, Honorary and Life members.

- Non-Corporate members shall consist of Engineers-in-Training, Students, Affiliates and Junior Members. The classification of Junior Member shall cease and reference to it be eliminated from this Constitution on October 1, 1961.

Section 2. Membership classifications are defined as follows:

- A National Member shall be either,
  - A person holding a valid license or certificate of registration as a Professional Engineer issued by the lawfully constituted registration board of any state; or
  - A Registered Structural Engineer in the State of Illinois; or
  - A person admitted to this classification prior to January 1, 1959.
- An Engineer-in-Training member shall be:
  - A person holding a valid certificate of registration as an Engineer-in-Training issued by the lawfully constituted registration board of any state, or
  - A person who has completed a four-year curriculum leading to a bachelor's degree in engineering from an accredited college of engineering and is employed at some form of work connected with the practice of professional engineering, or
  - A person not over 35 years of age, who, in the opinion of the Board of Direction, possesses qualifications equivalent to those set forth in (2) hereof except as to formal education, who has been employed in some form of work connected with the practice of professional engineering for at least four years and who declares his intention to accomplish registration within 2 years, or
  - A person admitted to this classification prior to January 1, 1959.
- A State Member shall be a person who qualifies under one of the following categories:
  - Is a non-resident of the State of Illinois who holds membership in the National Society through membership in another State Society.
  - Is a registered land surveyor in Illinois.
  - Was admitted to this classification prior to January 1, 1959.
- A Student Member shall be a person who is pursuing a full time engineering curriculum in an accredited college, or was admitted to this classification prior to January 1, 1959.
- An Affiliate Member shall be a person who was admitted to this classification prior to January 1, 1959, or shall be a person who has attained a position in his special pursuit qualifying him to co-operate with engineers in the advancement of professional knowledge and practice, but who is not eligible to be a Corporate Member. An affiliate at the time of his admission shall:
  - Be not less than 35 years of age.
  - Have been engaged in his special pursuit not less than 12 years.
  - Have had responsible charge of important work for not less than 5 years.Affiliate Members in any Chapter shall not exceed 20% of the total Corporate members of that Chapter. Where present Chapter Affiliate Members exceed this percentage, no new Affiliate Members may be added until the above restriction can be complied with.
- A Junior shall be a person who was admitted to this classification prior to October 1, 1951.

Section 3. All National Members and Engineer-in-Training Members shall be members of the National Society.

Section 4. Only Corporate Members shall be eligible to vote in the Society.

Section 5. An Engineer-in-Training Member or a Junior Member cannot remain in their respective grade for more than 10 years.

Section 6. A National Member or a State Member who has attained eminence in the engineering profession or related sciences may be designated as an Honorary Member as provided in the Bylaws.

Section 7. A National Member or a State Member may be designated as a Life Member, upon approval of the Board as provided in the Bylaws, provided he has (1) retired from active practice, and (2) has been a National or State Member of the Society for 20 years or more, and (3) has submitted a written request to the Board requesting transfer to Life Member.

Section 8. Honorary members and life members shall be entitled to the privileges afforded them by virtue of their previous grade of membership.

Section 9. Membership admission or expulsion procedures shall be governed by the Bylaws.

#### ARTICLE IV—OBLIGATIONS AND PRIVILEGES

Section 1. All members shall adhere to the code of ethics of the Society and the canons of ethics for engineers adopted by the National Society.

Section 2. All members of the Society, Corporate and Non-Corporate, shall have the right to vote in the Chapters and to serve on Society and Chapter Committees. All members of the Society, Corporate and Non-Corporate, except Affiliates, shall be allowed to display the insignia of the Society.

Section 3. National Members shall have the exclusive right to serve as officers of the Society or as Members of the Board of Direction of the Society or National Society; and, they may also serve as officers of any Chapter. State Members shall have the right to serve in any Chapter capacity except that of Chapter Representative. Engineer-in-Training Members may hold the Chapter offices of Secretary or Treasurer or Secretary-Treasurer.

#### ARTICLE V—DUES

Section 1. Annual dues shall be as follows:

- (a) National Member—National dues plus \$10.00 State dues and \$5.00 Chapter dues.
- (b) Engineer-in-Training Member—NSPE Junior Member dues plus \$6.00 State dues.
- (c) State Member—\$10.00 State dues plus \$5.00 Chapter dues.
- (d) Student—\$2.00 State dues.
- (e) Affiliate—\$20.00 State dues plus \$5.00 Chapter dues.
- (f) Junior—\$10.00 State dues.
- (g) Honorary and Life Members—No State dues.

#### ARTICLE V—DUES—

changes to become effective January 1, 1961:

#### "ARTICLE V—DUES

"Section 1. Annual dues shall be as follows:

- (a) National Member—National dues plus \$12.00 State dues and \$5.00 Chapter dues.
- (b) Engineer-in-Training Member—NSPE Junior Member dues plus \$7.00 State dues and \$2.00 Chapter dues.
- (c) State Member—\$15.00 State dues plus \$5.00 Chapter dues.
- (d) Student—\$2.00 State dues.
- (e) Affiliate—\$25.00 State dues plus \$5.00 Chapter dues.
- (f) Honorary and Life Members—No State dues."

#### ARTICLE VI—ADMINISTRATION

Section 1. The Society shall be administered by a Board of Direction hereinafter called the Board. Within the provisions of this Constitution the Board shall have the full authority and power of the Society between annual meetings.

Section 2. The Board shall consist of the President, three Vice Presidents, the Secretary, the Treasurer, the latest available Chapter President, the National Directors representing this Society and the National Board of Direction, the Chairman of the Representative from this Society to the Illinois Engineering Council (so long as such council exists), and Representatives from each Chapter. The Board shall be organized and its duties shall be defined as follows:

Required Number of Corporate Members	Number of Chapter Representatives
Up to 100.....	1
101 - 300.....	2
301 - 500.....	3
501 - 700.....	4
701 - 900.....	5

Section 3. Each Chapter shall be entitled to one vote for an elected Chapter Representative, and an elected Chapter Representative or Alternate may cast all the votes for the Chapter.

Section 4. A majority of the Board Members shall constitute a quorum.

#### ARTICLE VII—OFFICERS

Section 1. The officers of the Society shall be the President, three Vice Presidents, the Secretary, the Treasurer and together with the National Directors and the Representatives from the Society to the Illinois Engineering Council shall be elected by a letter ballot for terms beginning at the close of the annual meeting as follows:

- a. The President and the three Vice Presidents shall be elected for one year.
- b. The Secretary and Treasurer shall be elected for a term of two years with the Secretary being elected to begin his term in even numbered years and the Treasurer elected to begin his term in odd numbered years.
- c. The National Directors and the Representatives to the Illinois Engineering Council shall be elected for three-year terms.
- d. In the first regular election following the adoption of this Constitution the Secretary shall be elected for a one-year term, the Treasurer for a two-year term, one National Director and one Representative to the Illinois Engineering Council for a one-year term, one National Director and one Representative to the Illinois Engineering Council for a two-year term, and one National Director and one Representative to the Illinois Engineering Council for a three-year term. Thereafter all officers shall be elected in accordance with a, b, and c above.
- e. After the expiration of the term of the duly elected Chairman of the Representatives to the Illinois Engineering Council serving at the adoption of this Constitution, the President, subject to the approval of the Board, shall appoint one of the duly elected Representatives to the Illinois Engineering Council as Chairman, for a period of one year.

Section 2. To be eligible for nomination, election to or retention in an elective office of the Society or as a Chapter Representative a member shall be in good standing. No member may hold more than one elected position on the Board simultaneously.

Section 3. The Treasurer shall be bonded as determined by the Board.

Section 4. No member of the Board shall receive a salary or compensation except for expenses incurred in behalf of the Society as approved by the Board.



Section 5. Fees and expenses of persons serving the Society shall be allowed at the discretion of the Board.

Section 6. In the event the office of President becomes vacant the President is unable to serve, the 1st Vice President shall become President for the unexpired term. All other vacancies in the elected offices, including the National Directors, shall be filled for the unexpired term by appointment by the Board.

Section 7. Duties of the officers shall be as defined in the Bylaws.

## **ARTICLE VIII—NOMINATION AND ELECTION OF OFFICERS**

Section 1. The Nominating Committee shall be as defined in the Bylaws.

Section 2. Nominations shall be made for each elective office and no member of the Nominating Committee shall be eligible for nomination by the committee.

Section 3. Nomination and election procedures shall be carried out in accordance with the provisions of the Bylaws.

Section 4. Nominations by the Nominating Committee or by petition must be made with the consent of the Nominee or Nominees.

## **ARTICLE IX—CHAPTERS**

Section 1. The membership of the Society may be organized into chapters as authorized by the Board. Each Chapter thus formed shall have a minimum of ten National Members.

Section 2. The Board shall have authority to make rules and regulations for chartering, combining or dissolving Chapters.

Section 3. Each Chapter shall elect representatives and alternates to the Board of Direction as provided in Article VI of this Constitution. The regular term of office of a Chapter Representative shall be two years and shall extend from the close of one annual meeting to the close of the second following annual meeting of the Society, provided that when a chapter is organized its first representative shall be elected for a term of two years or less as the Board of Direction shall specify. Where a Chapter has two or more representatives on the Board, their terms shall be staggered so that all their terms will not expire at the same time.

Section 4. Each Chapter shall adopt a Constitution and Bylaws for its operation as it may deem proper, provided however that nothing contained therein shall conflict with or contravene the Constitution and Bylaws of the Society. Chapter Constitution and Bylaws and proposed amendments thereto shall be submitted to the Board of Direction for approval.

Section 5. A Chapter shall hold at least four meetings per year. A copy of the minutes of every meeting shall be submitted promptly to Society Headquarters.

Section 6. The charter of a Chapter may be revoked when the activities of the Chapter are not conducted in accordance with the Constitution or with the Constitution of the Chapter.

## **ARTICLE X—FUNCTIONAL SECTIONS**

Section 1. The Board of Direction may authorize the establishment of functional sections, comprising members having common professional problems and interests, to operate under the Constitution and Bylaws of the Society.

Section 2. The scope of activities and the sphere of interest of each such section as set forth in the Functional Sections Constitution and Bylaws shall be submitted to the Board of Direction for approval.

## **ARTICLE XI—COMMITTEES**

Section 1. Administrative Committees, standing committees and special committees shall be appointed by the President subject to the approval of the Board.

Section 2. The duties of the Administrative and standing committees shall be as defined in the Bylaws.

## **ARTICLE XII—HEADQUARTERS**

Section 1. The location of the headquarters of this Society shall be determined by the Board.

## **ARTICLE XIII—BYLAWS**

Section 1. The Board shall adopt Bylaws which shall govern all procedures under this Constitution including those of the Board and of the committees.

Section 2. The Bylaws may be amended by an affirmative vote of not less than two-thirds of all members of the Board provided, however, that the text of a proposed amendment shall be furnished to each member of the Board and to the President and Secretary of each Chapter at least thirty (30) days before the meeting at which a vote on the amendment will be taken.

## **ARTICLE XIV—AMENDMENTS**

Section 1. Amendments to this Constitution may be proposed by a majority of the Board or by a petition signed by not less than one hundred (100) Corporate Members of this Society.

Section 2. Proposed amendments to the Constitution shall be submitted together with a letter ballot to each Corporate member at the time ballots are submitted for the Annual Election.

Section 3. An amendment shall be adopted only upon affirmative vote of two-thirds of the votes cast by the Corporate members, provided not less than 20% of the Corporate Members cast affirmative ballots.

## **ARTICLE XV—EFFECTIVE DATE**

Section 1. This constitution shall supersede the present Constitution as revised September 1, 1957, and shall become effective upon its adoption by the voting members of the Society.

## **BY-LAWS**

### **BY-LAW I—ANNUAL MEETING**

A. The annual meeting of the Society shall be held at the time and place determined by the Board and it shall be officially announced to the members at least six months preceding the meeting.

### **BY-LAW II—DUES**

A. Dues shall be payable annually in advance on January 1 to State Headquarters office. Chapter dues shall be disbursed quarterly by the State office to the Chapters to which the payers belong, the quarters ending January 31, April 30, July 31, and October 31.

B. Persons admitted to the Society between December 1 and June 30 inclusive shall pay full year's dues. Persons admitted between July 1 and November 30 inclusive shall pay a half year's dues.

C. Each member is obligated to pay all dues until he has resigned or been expelled, or has been excused from payment by the Board.

D. A member whose dues are in arrears, without satisfactory explanation to the Board, for 18 months shall be dropped from the Society.

E. A person shall be considered in good standing if his dues are remitted prior to the close of December 31, of the year for which such remittance is due, unless otherwise ruled by the Board.

### **BY-LAW III—NOMINATION AND ELECTION PROCEDURES**

A. The nominating committee, as defined in Bylaw VIII, shall act at least six months prior to the annual meeting.

B. The nominating committee shall file its report with the Secretary, and it shall be published in the ILLINOIS ENGINEER at least five months prior to the annual meeting. Nominations by petition, signed by not less than fifty Corporate members, shall be filed with the Secretary not later than four months prior to the annual meeting.

C. Letter ballots with envelopes for returning marked ballots shall be mailed not later than three months before the annual meeting to all corporate members. Provisions shall be made on the ballot for write-in candidates for each office to be filled.

D. In order to be valid, ballots shall be returned to the Secretary in two sealed envelopes. The outer ballot envelope shall be marked BALLOT, bear the signature of the Corporate member and shall be delivered to the tellers unopened.

E. The polls shall close at 12:00 noon on the eighth Monday preceding the annual meeting. The ballots shall be counted by not less than three tellers appointed by the President. The candidate receiving the largest number of votes shall be declared elected. In case of a tie for any office the Corporate Members attending the annual meeting shall elect the officer from the persons so tied.

#### BY-LAW IV—ADMISSION & EXPULSION

A. Every application for admission shall be submitted to the Secretary of the Society and by him to the Board of Direction, which shall have power to admit the applicant and to assign his grade of membership.

B. Candidates for admission shall make application in writing on a printed form provided by the Society. Applications of persons qualified for a membership grade by registration need not bear references. All other applications shall bear references of at least three members in good standing, each of which must have a grade of membership at least as advanced as that of the applicant under consideration.

C. Student, Engineer-in-Training and Affiliate members shall be automatically transferred into advanced membership classification as soon as they have qualified for this change. The difference in dues for this advanced membership shall become payable upon the change and they shall be billed accordingly by the Society.

D. Names of candidates for honorary membership may be proposed either by the Board of Direction or by written petition to the Board, signed by not less than 100 Corporate Members. Names of candidates approved by the Board shall be submitted to the Corporate membership for election by letter ballot. Favorable votes of 2/3 of the members voting shall be required for election; however, to be elected, ballots shall have been received from at least 10% of the Corporate members.

E. A person who has been dropped from the Society because of delinquent dues may be readmitted by the Board of Direction, subject to payment of any fees required by the National Society.

F. The Board of Direction shall consider the expulsion of a person belonging to the Society and if circumstances appear to warrant action, the Board shall prepare confidential charges and shall submit them to the person. He may present a defense, either in person or in writing, to the Board of Direction at a meeting of which he shall receive due notice. Affirmative votes of two-thirds of the members of the Board present and voting shall be required to expel. If three-fourths of the Executive Committee of a Chapter recommend to the Board of Direction of the Society the expulsion of a person belonging to the Chapter, or if the State Committee on Ethics and Practice recommends to the Board the expulsion of a person belonging to the Society, the Board must proceed in accordance with the above provisions of this section. In case of expulsion the Board shall notify the person and the Society.

#### BY-LAW V—DUTIES OF OFFICERS

A. The President, Secretary, and Treasurer shall perform the duties usually pertaining to their offices. The President shall preside as Chairman of the Board of Direction and, subject to approval of the Board, shall appoint the committees as defined in Bylaw VIII and such other committees as the Board may deem necessary.

B. The 1st Vice President shall preside in the absence of the President and shall be administrative head of the Operations Group of Committees; the 2nd Vice President shall be the administrative head of the Professional Group of Committees; and the 3rd Vice President shall be the administrative head of the Public Relations Group of Committees.

C. The Secretary shall be the liason officer between the Board and the Executive Director. The Secretary shall also be custodian of the property of the Society and shall deliver it to his successor.

He shall present a report on the affairs of the Secretary's at the annual business meeting of the Society; he shall the proper recordings of the proceedings and discussions of Annual Meeting, meetings of the Board of Direction and Executive Committee and shall check to assure that copies of them prepared and distributed to the Board. He shall be ex librarian of the Society and as such shall collect and preserve books, pamphlets, papers and documents belonging to the Society.

D. The Treasurer shall serve as Comptroller of the Society as such shall countersign all checks for expenditures budget approved by the Board of Direction. He shall be responsible for the accounts of the financial affairs of the Society and shall present an annual report of all receipts and disbursements at the annual meeting of the Society.

E. The Directors from this Society to NSPE and the Chapter of the Representatives from this Society to the Illinois Engineering Council shall represent the ISPE to those organizations; they shall reflect the views of the ISPE as expressed by the Board.

#### BY-LAW VI—DUTIES AND RESPONSIBILITIES OF EXECUTIVE DIRECTOR

A. An executive director may be retained by the Board of Direction as a full-time employee of the Society.

The duties of the executive director are as follows:

- (1) Manage the ISPE state office and conduct the routine business of the Society.
- (2) Manage the business affairs of the ILLINOIS ENGINEERING NEWS-RECORD, a monthly publication. Solicit articles, items of interest, and advertising for the magazine.
- (3) Supervise one or more assistants who are expected to perform the routine duties.
- (4) Develop programs of action, both within the Society and outside, which may be to the interest and welfare of the Society. This includes the development of programs for obtaining new members.
- (5) Coordinate the activities of local chapters and committees of the state organization.
- (6) Call attention of the proper officers, committee members and other members affected by the actions and recommendations of the National Society on the one hand and the chapters on the other.
- (7) Present talks before various organizations explaining the broad field of professional engineering.
- (8) Call on industrialists, public utilities executives and large employers of engineers to promote their interest in and participation of their engineers in ISPE affairs.
- (9) Prepare articles, leaflets, and other literature explaining ISPE-NSPE principles.
- (10) Work with legislators, insofar as possible, so as to be the voice of the professional engineer to the recorders of bills that are of interest mutually to the public and the professional engineer.
- (11) Participate in the promotion of various educational and public relations activities such as Engineers' Week, refresher courses, vocational counseling, professional development and professional unity.
- (12) Arrange all details for meetings of the executive committee and the Board of Direction of the state society.
- (13) Record and distribute the minutes of meetings of the Board and the Executive Committee.
- (14) Maintain adequate records on other subjects.
- (15) Assist officers in performing their duties.

#### BY-LAW VII—BUSINESS PROCEDURE

A. All meetings of the Society shall be governed by "Robert's Rules of Order Revised."

B. The order of business shall be fixed by the Board of Direction.

#### BY-LAW VIII—COMMITTEES

A. Administrative Committees.

The following administrative committees of the Society shall be appointed by the President with the approval of the Board.



## (1) Executive Committee

The Executive Committee shall consist of the President as chairman, and members as follows: The latest available past president, the three vice presidents, the secretary, the treasurer and one national director. The Executive Committee shall administer the business of the Society between Board meetings. Action of the Executive Committee must be submitted to the next Board meeting for approval.

## (2) Honors and Awards Committee

The Honors and Awards Committee shall have not less than 5 members including a past president, a present or past national director, a current member of the Board of Direction, and two members each from different chapters. This committee shall act as adviser to the Board and to the chapters in establishing and administering honors and awards programs.

The Honors and Awards Committee shall recommend for approval of the Board:

- Candidates for consideration as honorary members.
- Candidates for receipt of the Illinois Award.
- Candidates for honors or awards approved by the Board.

## (3) Nominating Committee

The Nominating Committee for the election of Society officers and representatives shall consist of not less than seven (7) National Members. One member shall be a past president of the Society, two members shall be members of the Board and not less than four additional members shall be officers of different Chapters. All members of the Nominating Committee shall be from different chapters. The Secretary shall instruct the committee of the offices to be filled.

## Standing Committees

- (1) Standing Committees of the Society shall be organized under Operations, Professional and Public Relations groups with the designated vice president as the administrative head of each group. The following standing committees of the Society shall be appointed by the president subject to the approval of the Board. Each Committee shall have the power to appoint subcommittees.

Operations Group	Professional Group	Public Relations Group
Budget and Finance	Education	Building & Construction Codes
Chapter	Employment Practices	Civil Defense
Activities	Ethics and Practice	Inter-Professional Relations
Constitution & By-laws	Fees and Salaries	Publications
Functional Sections	Legislation	Public Relations Resolutions
Membership	Young Engineers	

- (2) Appointments shall be made for 3-year terms except initial appointments may be made for 1, 2 or 3 years in order to provide appointments in approximately equal numbers to any one committee each year.

- (3) Duties common to all standing committees shall include:
- Preparation of interim and annual reports.
  - Submission of all policy matters for approval of the Board before implementation of procedures recommended by the Committee.

- (4) The following outline of duties shall serve as a guide for individual committees:

### Operations Group

#### (1) Budget and Finance Committee

The Budget and Finance Committee shall

- Prepare a budget for control of expenditures and money by the state society.

- Review from time to time expenditures being made and compare these with the approved budget.

- Study the financial structure of the Society and recommend ways and means for improving the financial condition of the Society.

- The Budget and Finance Committee shall consist of the First Vice President as Chairman ex officio, the President, the Treasurer, and one other member of the Board of Direction. This Committee shall prepare an annual budget which shall be presented for consideration by the Board of Direction prior to the beginning of each fiscal year and shall recommend revisions of the adopted budget when and as necessary. It shall advise the Board of Direction otherwise concerning the finances of the Society. It shall be responsible for the audit of the books of the Treasurer and shall report thereon to the Society at its annual business meeting.

#### (2) Chapter Activities Committee

The Chapter Activities Committee shall

- Encourage and assist chapters to undertake projects of interest to the state society as well as to individual chapters.
- Initiate, help to establish, and encourage new chapters.

#### (3) Constitution and Bylaws Committee

The Constitution and Bylaws Committee shall

- Maintain a continuing study of the constitution and bylaws and application of their provisions.
- Study carefully suggestions for revision and submit recommendations to the Board.
- Serve in an advisory capacity to the officers and committees of the Society in interpreting the provisions of the constitution and bylaws.
- Recommend specific specialized studies of the constitution and bylaws when deemed desirable.
- Advise the Board on constitutionality of proposed Chapter Constitutions and Bylaws and amendments thereto.

#### (4) Functional Sections Committee

The Functional Sections Committee shall

- Initiate, help to establish, and encourage new functional sections.
- Serve as adviser to functional sections.

#### (5) Membership Committee

The Membership Committee shall

- Promote ISPE before the entire profession in order to enlist endorsements, support and affiliation.
- Initiate, develop, and conduct membership campaigns.
- Cooperate with and advise chapters and their membership committees on effective methods for increasing membership.

## D. Professional Group

### (1) Education Committee

The Education Committee shall

- Develop and sponsor programs to improve teaching of mathematics and the physical sciences as well as general subjects in the secondary schools.
- Promote projects for counselling effectively students indicating interest in engineering.
- Cooperate with engineering colleges in promoting professional concepts among engineering students, including establishments of student chapters where the opportunity exists.
- Encourage superior graduates of engineering colleges to pursue graduate study in engineering.
- Promote higher standards for engineering colleges.
- Promote continuing education for engineers.

(2) Employment Practices Committee

The Employment Practices Committee shall

- a. Study procedures and policies governing employment of professional engineers and make recommendations.
- b. Study inter-relationships of state and federal laws governing labor relations and the employment of professional engineers.
- c. Advise the legislation committee on pending legislation affecting employment practices and labor relations.
- d. Study existing and future supply of and demand for professional engineers.
- e. Cooperate with other professions and other engineering organizations in improving employment practices for professional engineers.

(3) Ethics and Practice Committee

The Ethics and Practice Committee shall

- a. Recommend means to improve ethical standards within the profession.
- b. Recommend means to improve and protect economic and professional interests of the engineer.
- c. Investigate and recommend to the Board disciplinary action for members of the Society who have violated the codes of ethics of the state or the national society.
- d. Investigate and recommend action to the Board in cases of violation of legislative acts of the state regulating the practice of professional engineering, structural engineering or land surveying.

(4) Fees and Salaries Committee

The Fees and Salaries Committee shall

- a. Prepare fee and salary schedules for guidance of the members of the Society.
- b. Seek new and better methods for establishing charges for engineering services.
- c. Clarify for both client and engineer the detailed services to be provided by the engineer for the fees included in the engineering services contract.

(5) Legislation Committee

The Legislation Committee shall

- a. Study legislation affecting registration laws covering the practice of professional engineering, structural engineering and land surveying.
- b. Recommend support for legislation at the local and state levels which will enhance the professional standing of the engineer.
- c. Cooperate with other professions and with other engineering organizations in recommending support for or opposition to measures of mutual interest.
- d. Draft, initiate and sponsor legislation desired by the members and the Board of Direction of ISPE.

(6) Young Engineers Committee

The Young Engineers Committee shall

- a. Encourage and assist young engineers to develop professionally.
- b. Initiate special studies of problems facing young engineers.
- c. Recommend policies and actions which reflect the attitude of young engineers.
- d. Devise methods of interesting young engineers in professional society activities.

E. Public Relations Group

(1) Building and Construction Codes Committee

The Building and Construction Codes Committee shall

- a. Cooperate with other professional organizations in development of building and construction codes.

- b. Make recommendations for approval or disapproval pending codes.

- c. Serve as advisers to local governments in interpretation and enforcement of building ordinances.

(2) Civil Defense Committee

The Civil Defense Committee shall

- a. Encourage, aid, and cooperate with other professional organizations in developing procedures and standards for adoption at the local and state levels.
- b. Study and encourage the utilization of professional engineers in appropriate positions in the civil defense organization.

(3) Inter-Professional Relations Committee

The Inter-Professional Relations Committee shall

- a. Promote cooperation among professional engineering, structural engineers, architects, contractors and other professions.
- b. Promote better understanding and cooperation among engineering societies.

(4) Publications Committee

The Publications Committee shall

- a. Exercise general direction over the publication, editorial and advertising policies of the ILLINOIS ENGINEER.
- b. Serve as consultant and adviser to officers and committees in planning, financing and editing all publications issued by the Society.

(5) Public Relations Committee

The Public Relations Committee shall

- a. Plan and conduct a continuing campaign through recognized media to cultivate a better understanding of the engineering profession.
- b. Plan and conduct special programs during National Engineers' Week.
- c. Establish a speakers' bureau and promote talks by Society members.
- d. Promote appointments of professional engineers to public commissions and other organizations.

(6) Resolutions Committee

The Resolutions Committee shall

- a. Initiate, study, and recommend appropriate action on subjects of concern to the state society.
- b. Serve as adviser on resolutions submitted to the Board of Direction by the Chapters.

F. Other Committee Appointments

The President shall appoint all other committees that may be required or desirable. Members of all committees shall be in good standing in the Society at the time of their appointment.

BYLAW IX—FUNCTIONAL SECTIONS

A. Functional Sections may be organized in accordance with Article X of the Constitution.

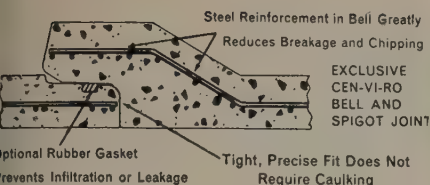
B. Each Functional Section shall elect its own officers and shall be governed in accordance with the provisions of the Constitution adopted by the Functional Section.

C. Functional Sections shall hold at least one meeting per year at the time and place of the Annual Meeting of the Society. A copy of the minutes of every meeting of the section shall be submitted promptly to the Society Headquarters.

D. The Board of Direction shall have the power to dissolve a Functional Section whose activities are not conducted in accordance with the Constitution or the Constitution and Bylaws of the Functional Section.

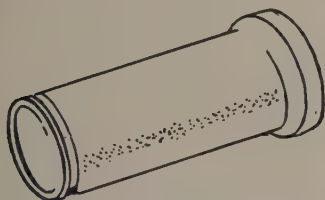


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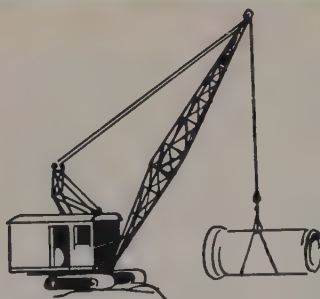
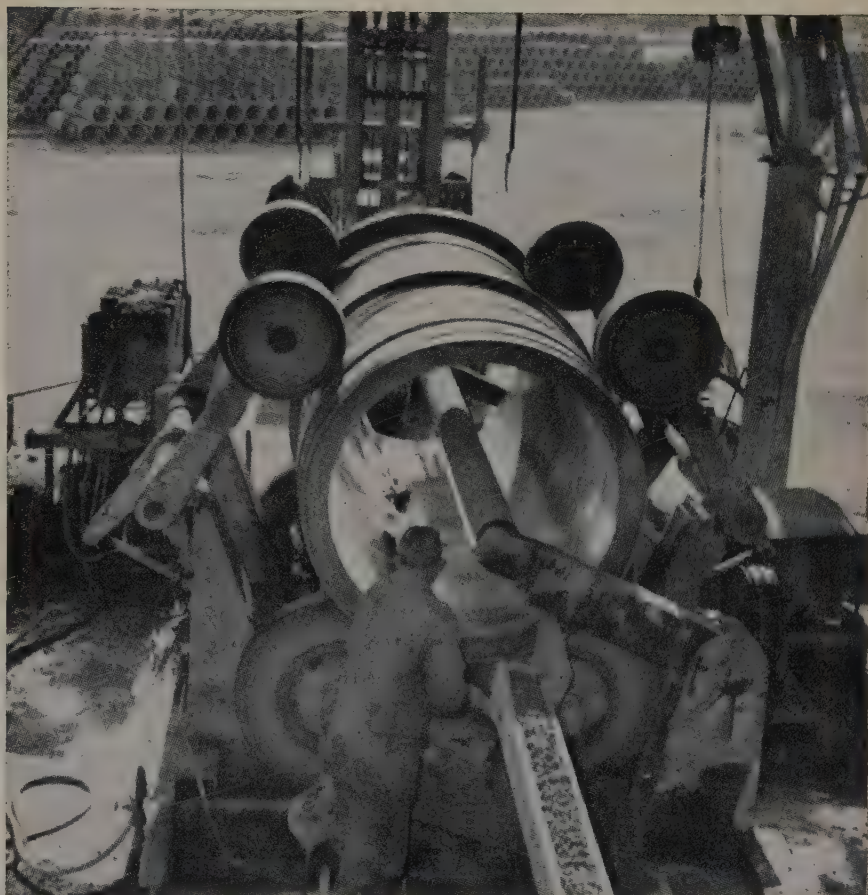
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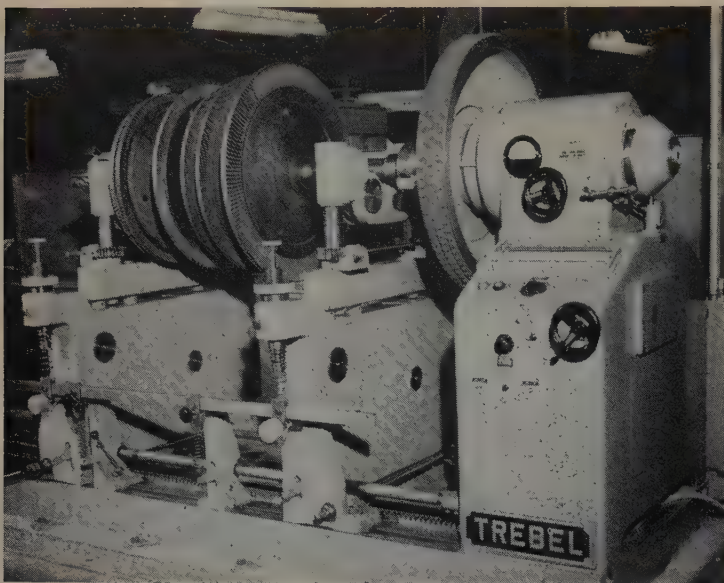
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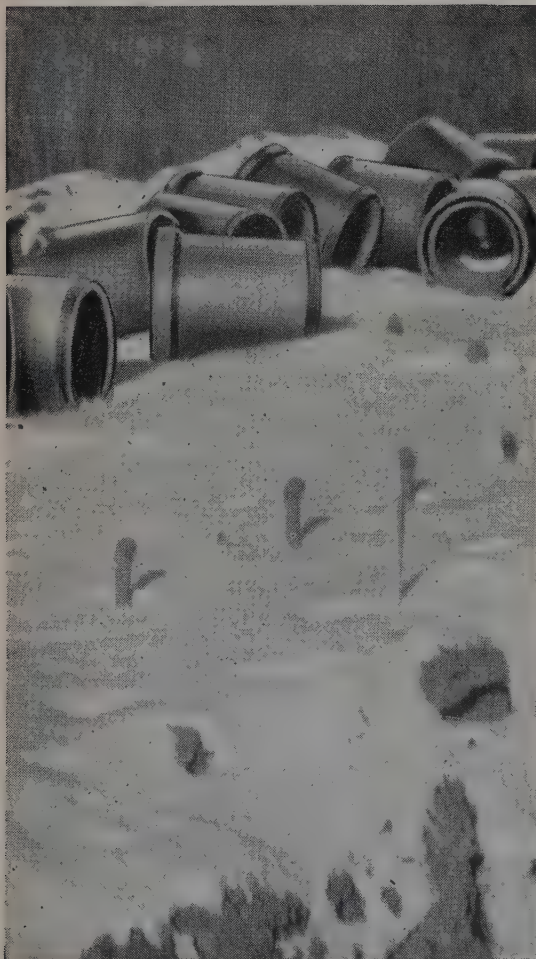
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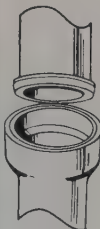
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# INDEX OF DIRECTORY ADVERTISERS

	Page
Alvord, Burdick & Howson.....	149
Asphalt Institute .....	8
Aurora Pump Division, The New York Air Brake Co. ....	5
Austin Engineering Company.....	149
Baxter & Woodman.....	149
Beling Engineering Consultants.....	149
Eric Bolander Construction Co.....	5
Ralph H. Burke, Inc.....	149
Burnidge Bros. ....	5
Capitol Engraving & Electrotype Company.....	5
Homer L. Chastain & Associates.....	149
Chicago Guarantee Survey Company.....	149
Chism & Miller, Inc.....	5
Clark, Daily & Dietz.....	149
Consoer, Townsend & Associates.....	149
Continental Casualty Company of Chicago.....	6
Harry H. Cordes.....	149
Crawford, Murphy & Tilly.....	149
Crenshaw & Jost.....	149
Crescent Engineering Company, Inc.....	5
R. A. Cullinan & Son, Inc.....	5
Charles N. Debes Associates, Inc.....	149
DeLeuw, Cather & Company.....	149
Walter E. Deuchler Associates, Inc.....	149
W. S. Diekey Clay Mfg. Co.....	3
Dowzer Electric Machinery Works, Inc.....	146
Engineering Testing Corp. ....	5
Evans Construction Company.....	5
Walter H. Flood & Company.....	5
Friedewald Engineering Co.....	150
Giertz-Melahn Asphalt Company.....	5
Goodkind & O'Dea, Inc.....	150
Greeley & Hansen.....	150
Charles W. Greengard Associates.....	150
S. J. Groves & Sons Co.....	5
Hanson, Collins & Rice.....	150
Harza Engineering Company.....	150
Hazelet & Erdal.....	150
Robert Hofmann & Associates.....	150
Howell Asphalt Company.....	147
Illinois Concrete Pipe Association... Inside Front Cover	
The Illinois National Bank of Springfield.....	147
Jansen & Schaefer, Inc.....	147
Jenkins, Merchant & Nankivil.....	150
Kammerer Concrete Products Co.....	7
Wm. H. Klingner & Associates.....	150
Knoerle, Graef, Bender & Associates, Inc.....	150
Lake County Chapter, I.S.P.E.....	3
Ralph J. Lofquist Co.....	147
Arnold Lundgren .....	150
Maclair Asphalt Co., Inc., .....	147
Material Service .....	145
Mautz & Oren, Inc.....	147
Midwest Prestressed Concrete Company.....	147
Missman, Stanley, Farmer & Associates.....	150
C. J. Moritz, Inc.....	147
National Blue Print Company.....	147
National Survey Service, Inc.....	150
Neenah Foundry Company.....	7
Nelsen Concrete Culvert Company.....	4
Northern Illinois Survey Co.....	150
North Shore Chapter, I.S.P.E.....	3

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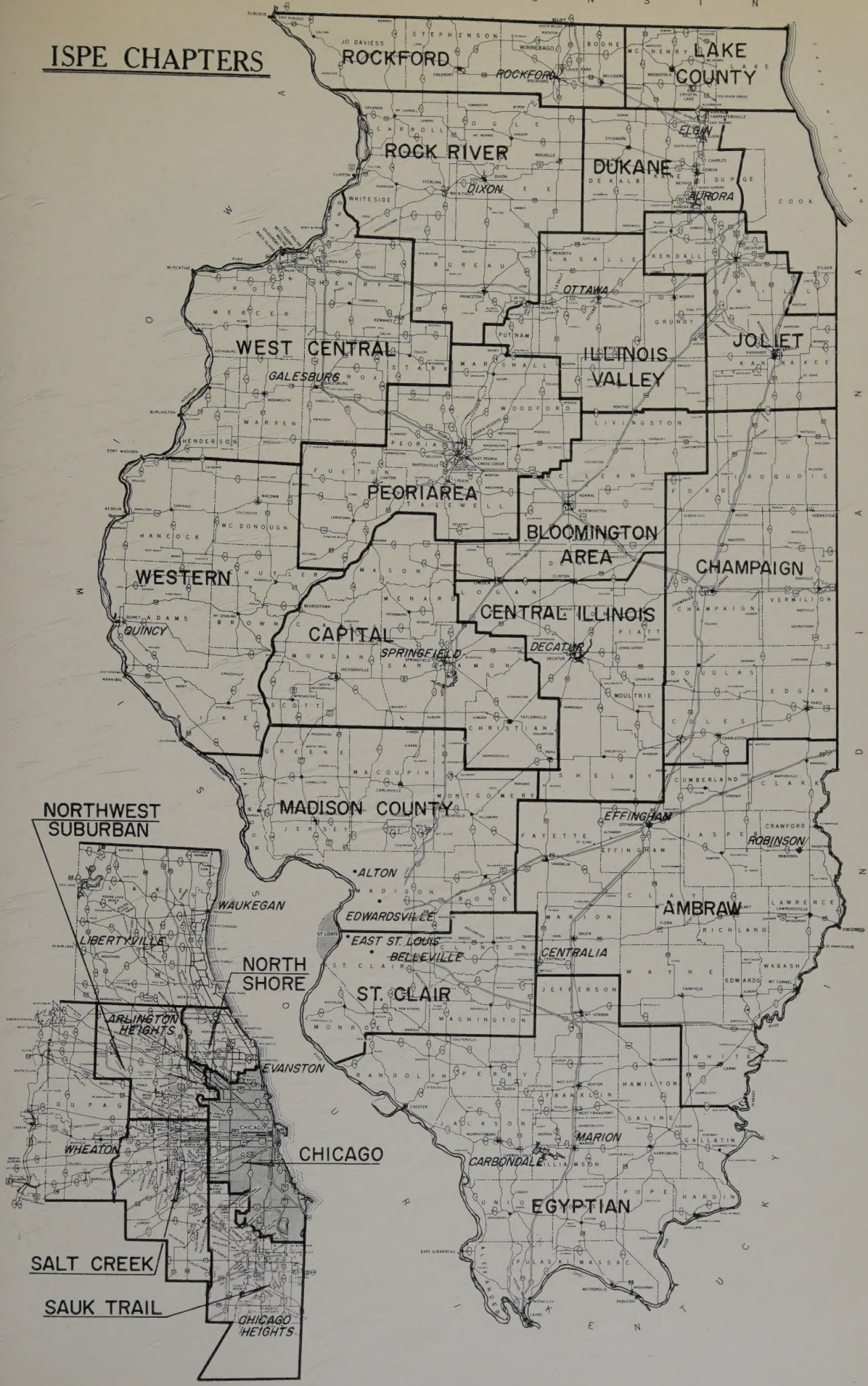
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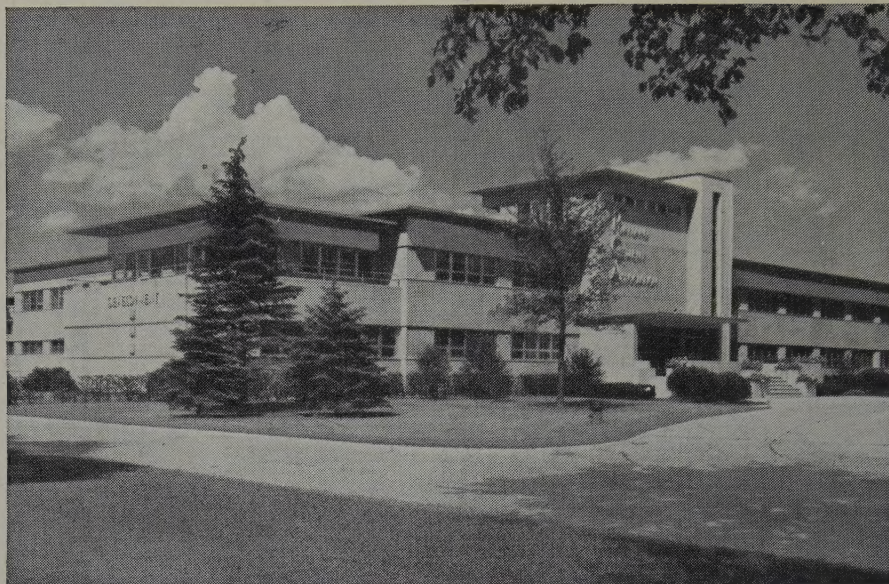


# ISPE CHAPTERS





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